

Bill No. 1st and FINAL (For Other Works)
DASARAHALLI DIVISION

Original / Duplicate / Triplicate
CONTRACT CERTIFICATE
Date

Acc/7030/882/14/20-21
dt. 13/7/2020
Q.M.F. 3000

Bill Received No
Scheduled Docket No
Account : P-1878-1BpeL (BHAGYA JYOTI, SOORUNELU YOGANE, AND GENERAL) (51 LAKHS-NEW WARD)

Dated----- Cash Book Voucher No

T. DASARAHALLI DIVISION
dated----- Head of

Est cost Rs 100.00 Lakhs
Name of work (as per sanctioned estimate)

Job Code No: 014 20-000113
dated-----

IMPROVEMENT OF CC ROADS, DRAINS AND OTHER WORKS AT VIJAYALAKSHMI LAYOUT IN WARD NO 14
Name of Contractor -M/S TECHNICAL MANAGER(WEST), K R I D L, NO280, 59TH CROSS, 17TH MAIN ROAD 3RD FLOOR RAJAJI NAGARA, BANGALORE 560010

Reference to Agreement No: EL/DD/AGR/01/2020-21

Date: 13-04-2020

Certified that the measurements were taken by me on 08/06/20
Pages 484844 - 484845 of measurement Book No 4349 and that the work is satisfactorily executed

and found correct
Officer in charge of work.

Certified that the measurements were taken by me on
The work is satisfactory executed. Certified that the quantities of materials shown in column 2 of Account II have been actually brought to site of the work and contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate usage on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

If Memorandum of Payment
1) Total value of work done or supplies made as per account within.
2) Deduct amount to be held in reserve being----- percent Rs.
3) Deduct payments
4) Deduct payments
a) Amount of previous payment as in the office cash book voucher
b) Payments for store or other materials supplied.
Now made recovery of amount creditable to this / other work
Amount paid on this bill cheque / cash

Signature of Officer
ಮಾನ್ಯ ಕಾರ್ಯಪಾಲಕ ಅಧೀಯಕರು
ಇ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಕೋಟೆ, ಜಿ.ಜಿ.ಎಂ.ಪಿ.
ಬೆಂಗಳೂರು-560073

1st and Final Bill → 9953316 = ∞

IT → 199066 = ∞
LWC → 99533 = ∞
CBF → 9953 = ∞ (-)
FSD → 497666 = ∞ } 1042956 = ∞
Roy → 59000 = ∞
Cysr → 88869 = ∞
Systr → 88869 = ∞
8910360 = ∞

Received Rs (in words)
by cash and by adjustment of payment as per memorandum
Witnesses 1.

Audited and admitted for Rs. 9953316 = ∞
Passed by Cheque for Rs. 8910360 = ∞
Eighty Nine Lakhs Ten Thousand
Three Hundred Sixty only
by adjustment Rs. 1042956 = ∞

Dated signature of contractor
Paid by me by cheque No
Cash Rs Dated

Signature of Accounts Superintendent
Accounts Superintendent Executive Engineer
P. B. M. P. Dasarahalli Division

Initials of officer making payment

Asst Engineer/SE/14/20-21

Work
Est

1	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials, stacking serviceable and unserviceable materials separately complete as per specifications. MORTH Specification No. 202
2	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications in Dismantling Stone Masonry II Rubble stone masonry in cement mortar. MORTH Specification No. 202
3	Excavation for road drains and similar works. KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods, complete as per specifications. MORTH / Chapter 3
4	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs with 20mm and down size graded granite metal coarse aggregates @ 0.84cum and fine aggregates @ 0.56cum, machine mixed concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and chills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification
5	Providing and laying plain / reinforced cement concrete for side drain using M20 nominal mix concrete with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.43cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 readmixed-2008 at machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM
6	KSRRB M22-300. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, lapping, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No 1000 & 2200 do- TMT Bars Fe 500. All load and lift complete as per specification and as per the direction of the engineer in charge of the site
7	Providing & fixing Precast RCC slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortar including from work but excludes curing and concrete finished surface on both side
8	Providing and fixing precast reinforced cement concrete covering slabs of 30.Cm thick made out of M25 with OPC cement @ 340 Kgs per Cum, with 20mm and down size graded granite metal coarse aggregates @ 0.70 Cum and fine aggregated @ 0.74 Cum with super plasticisers, machine mixed, including providing and removing, centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost & of reinforcement charges, including finishing as required with cost of all materials, labour, all load and lift, HOM of machinery, curing including cost of reinforcement etc., complete as directed by the Engineer in charge of the work
9	Providing & Fixing Precast RCC slab of 250mm thick for culverts made of plain/reinforced cement concrete design mix M25 with OPC @ 340 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.70 cum and fine aggregates @ 0.47 cum, with super plasticizer @ 3lts confirming to 189103-1999
10	Removing and resetting of footpath slab
11	KSRRB 15.2.2 Providing ruled pointing to stone slab pavements with cement mortar 1:3, 20mm deep, after raking joints, including cost of materials, labour, curing complete as per specifications. complete as per specification and as per the direction of the engineer in charge of the site.

	Previous Measurement		Present Measurement			Total Up-to-date		Remarks
	Qty	Cost	Qty	Rate	Cost	Qty	Cost	
um	0.00	0.00	121.14	952.94	115439.00	121.14	115439.00	
um	0.00	0.00	357.00	372.06	132825.00	357.00	132825.00	
Cum	0.00	0.00	738.05	137.80	101703.00	738.05	101703.00	
Cum	0.00	0.00	167.40	5714.99	956689.00	167.40	956689.00	
Cum	0.00	0.00	307.68	7189.45	2212050.00	307.68	2212050.00	
TONNE	0.00	0.00	23.08	72326.98	1669307.00	23.08	1669307.00	
Sqm	0.00	0.00	976.56	1615.00	1577144.00	976.56	1577144.00	
Sqm	0.00	0.00	0.00	5703.00	0.00	0.00	0.00	QTY NOT EXECUTED
Sqm	0.00	0.00	0.00	3306.14	0.00	0.00	0.00	QTY NOT EXECUTED
Sqm	0.00	0.00	0.00	208.82	0.00	0.00	0.00	QTY NOT EXECUTED
Sqm	0.00	0.00	0.00	48.76	0.00	0.00	0.00	QTY NOT EXECUTED

Construction of dry lean cement concrete (CC) 5:10 with OPC cement (4140Kgs. with 25mm and down size graded granite metal coarse aggregate at 0.8cum and fine aggregate conforming to IS-383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1 cement content not to be less than 160 kg/cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per IS:1013-1999 Road and Bridge Maintenance Manual Part 17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver.

13 Wet Mix Macadam (WMM) M20/M30 Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver.

14 Cement concrete pavement Construction of an unreinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 with 25mm and down size graded granite metal coarse aggregates and fine aggregates, with superplasticizer (3000) conforming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rakers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation joint, etc., with all load and lift complete as per specification and as per the direction of the engineer in charge of the site.

15 Vacuum de-watering with vacuum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HDM of machinery, Screed Vibratory, Power Floater, blade and tire etc., with all load and lift complete as per specification and as per the direction of the engineer in charge of the site.

16 Cost of haulage Excluding loading and Unloading MORTH-100/ Chapter 1 Case-1 : Surface Road ITEM no. 17.4, KSRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates / Sand / Kanker / Moormu KSRB M100-1. Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications complete as per specification and as per the direction of the engineer in charge of the site.

Certificate:-

1. The contractor has executed the work satisfactory Hence the Bill is Recommended for payments

2. The contractor has cleared all the Debris from work spot.

3. works comes under 848AP Limit.

Cum	0.00	0.00	155.04	3948.50	612175.00	155.04	612175.00
Cum	0.00	0.00	155.04	2001.28	310278.00	155.04	310278.00
Cum	0.00	0.00	121.14	5274.56	638960.00	121.14	638960.00
Sqm	0.00	0.00	1033.60	72.08	74502.00	1033.60	74502.00
Cum	0.00	0.00	1216.19	157.09	191051.00	1216.19	191051.00
Total					8592123.00		8592123.00
Total					LIMITED AMOUNT TO AGREEMENT AMOUNT OF RS		8580444.66
					TOTAL		8580444.66
					ADD 12% GST		1029653.36
					TOTAL AMOUNT		9610098.02
					ADD 6% RMDL CHARGES		576605.88
					NET AMOUNT PAYABLE OF RS		9994501.94

Cap
Assistant Engineer - 4

9953316=00
Assistant Executive Engineer
T. Dasarathan, SSB-Division